

MR2685-145

Serial Number: 10/648,217

Reply to Office Action dated 19 January 2007

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims
in the subject Patent Application:

Listing of Claims:

Claim 1. (Currently Amended) A biodegradable and bioactive glass-ceramic fabricated from a composition consisting of: 41.40~45.75% by weight of calcium oxide (CaO), 35.0~47.62% by weight of silica (SiO₂), 0.50~14.58% by weight of boron oxide (B₂O₃), 0.46~4.14% by weight of magnesium oxide (MgO), 0.05~0.45% by weight of calcium fluoride (CaF₂) and 1.62~14.58% by weight of phosphorus pentoxide (P₂O₅).

Claim 2. (Canceled)

Claim 3. (Original) A biodegradable and bioactive glass-ceramic fabricated by mixing a first glass consisting of 41.03~45.86% by weight of calcium oxide (CaO), 43.97~49.14% by weight of silica (SiO₂) and 5~15% by weight of boron oxide (B₂O₃), and a second glass consisting of 44.7 parts by weight of magnesium oxide (MgO), 34.0 parts by weight of silica (SiO₂), 16.2 parts by weight of phosphorus pentoxide (P₂O₅) and 0.5 parts by weight of

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calcium fluoride (CaF_2) wherein the mixing ratio of the first glass to the second glass is between 90:10 and 10:90 on a weight basis.

Claims 4-5 (Canceled)